

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033022\
 Data File : VY008107.D
 Acq On : 30 Mar 2022 13:44
 Operator : SY/MD
 Sample : N1645-03 4.0ppb
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 31 06:37:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 06:28:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/31/2022
 Supervised By :Semsettin Yesilyurt 03/31/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	289602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	508482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	460521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	208646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	134961	46.449	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.900%		
35) Dibromofluoromethane	7.722	113	157314	49.345	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.700%		
50) Toluene-d8	10.179	98	609222	50.722	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.440%		
62) 4-Bromofluorobenzene	12.483	95	203038	47.914	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4458	1.708	ug/l	93
3) Chloromethane	2.113	50	6259	1.969	ug/l #	88
4) Vinyl Chloride	2.253	62	7956	1.881	ug/l	96
5) Bromomethane	2.656	94	7484	2.159	ug/l	83
6) Chloroethane	2.802	64	5236	1.882	ug/l	95
7) Trichlorofluoromethane	3.131	101	10203	1.907	ug/l	94
8) Diethyl Ether	3.528	74	3059	1.765	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.912	101	6321	1.904	ug/l	95
10) Methyl Iodide	4.095	142	5228	1.525	ug/l	90
11) Tert butyl alcohol	4.954	59	1677	5.563	ug/l #	77
12) 1,1-Dichloroethene	3.881	96	5951	1.937	ug/l #	77
13) Acrolein	3.735	56	1684	6.863	ug/l	99
14) Allyl chloride	4.491	41	7713	1.908	ug/l #	92
15) Acrylonitrile	5.168	53	5437	6.587	ug/l	97
16) Acetone	3.954	43	4988	7.511	ug/l	93
17) Carbon Disulfide	4.198	76	15820	1.817	ug/l	97
18) Methyl Acetate	4.479	43	4529	2.027	ug/l #	85
19) Methyl tert-butyl Ether	5.216	73	14882	1.704	ug/l	92
20) Methylene Chloride	4.729	84	11026	2.828	ug/l #	76
21) trans-1,2-Dichloroethene	5.229	96	7025	1.975	ug/l #	79
22) Diisopropyl ether	6.125	45	17382	1.998	ug/l #	85
23) Vinyl Acetate	6.064	43	36603	6.792	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	11093	1.927	ug/l #	94
25) 2-Butanone	6.990	43	6591	6.521	ug/l #	85
26) 2,2-Dichloropropane	6.990	77	10842	1.988	ug/l	92
27) cis-1,2-Dichloroethene	6.996	96	8407	2.039	ug/l	84
28) Bromochloromethane	7.332	49	4080	2.185	ug/l #	68
29) Tetrahydrofuran	7.350	42	4600	7.001	ug/l #	78
30) Chloroform	7.509	83	12363	1.983	ug/l	98
31) Cyclohexane	7.789	56	15484	2.851	ug/l #	43
32) 1,1,1-Trichloroethane	7.698	97	11712	2.033	ug/l	95
36) 1,1-Dichloropropene	7.923	75	9432	1.883	ug/l	96
37) Ethyl Acetate	7.076	43	3339	1.427	ug/l #	92
38) Carbon Tetrachloride	7.905	117	10273	1.882	ug/l	94
39) Methylcyclohexane	9.185	83	12447	1.841	ug/l #	82
40) Benzene	8.161	78	27549	1.923	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	1933	1.646	ug/l #	42
42) 1,2-Dichloroethane	8.240	62	7203	1.793	ug/l	91
43) Isopropyl Acetate	8.277	43	6681	1.455	ug/l #	86
44) Trichloroethene	8.941	130	8041	1.941	ug/l	94
45) 1,2-Dichloropropane	9.216	63	6399	1.895	ug/l	100
46) Dibromomethane	9.313	93	3562	1.605	ug/l	93
47) Bromodichloromethane	9.502	83	8927	1.759	ug/l	96
48) Methyl methacrylate	9.295	41	2980	1.465	ug/l #	84
49) 1,4-Dioxane	9.301	88	499	16.910	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	15053	6.499	ug/l #	80
52) Toluene	10.246	92	18642	1.984	ug/l	93
53) t-1,3-Dichloropropene	10.471	75	8194	1.575	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	10305	1.750	ug/l #	85
55) 1,1,2-Trichloroethane	10.648	97	5182	1.691	ug/l	96
56) Ethyl methacrylate	10.514	69	5599	1.400	ug/l #	76
57) 1,3-Dichloropropane	10.795	76	8487	1.692	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	13408	8.094	ug/l	90
59) 2-Hexanone	10.831	43	10291	6.349	ug/l	83
60) Dibromochloromethane	10.990	129	5872	1.575	ug/l	98
61) 1,2-Dibromoethane	11.093	107	4709	1.543	ug/l	100
64) Tetrachloroethene	10.721	164	7106	2.009	ug/l	94
65) Chlorobenzene	11.520	112	19467	1.875	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	6823	1.781	ug/l	96
67) Ethyl Benzene	11.593	91	35491	1.950	ug/l	97
68) m/p-Xylenes	11.703	106	26722	3.693	ug/l	94
69) o-Xylene	12.032	106	12844	1.854	ug/l	96
70) Styrene	12.044	104	19934	1.757	ug/l	96
71) Bromoform	12.209	173	3178	1.374	ug/l #	93
73) Isopropylbenzene	12.331	105	34550	2.006	ug/l	99
74) N-amyl acetate	12.148	43	5667	1.497	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	5308	1.586	ug/l	93
76) 1,2,3-Trichloropropane	12.636	75	4187m	1.646	ug/l	
77) Bromobenzene	12.611	156	7534	1.907	ug/l	94
78) n-propylbenzene	12.672	91	40884	2.013	ug/l	100
79) 2-Chlorotoluene	12.758	91	23385	2.075	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	27482	1.948	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	1504m	1.319	ug/l	
82) 4-Chlorotoluene	12.861	91	23716	2.051	ug/l	99
83) tert-Butylbenzene	13.075	119	25576	2.035	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	26544	1.932	ug/l	97
85) sec-Butylbenzene	13.258	105	37249	2.008	ug/l	100
86) p-Isopropyltoluene	13.373	119	30388	1.968	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	15067	1.924	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	15038	1.925	ug/l	83
89) n-Butylbenzene	13.696	91	28368	1.997	ug/l	99
90) Hexachloroethane	13.965	117	5735	1.917	ug/l	77
91) 1,2-Dichlorobenzene	13.745	146	12976	1.882	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	780	1.460	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	7672	1.857	ug/l	98
94) Hexachlorobutadiene	15.117	225	4241	1.941	ug/l	97
95) Naphthalene	15.239	128	14358	1.573	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	6766	1.893	ug/l	93

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

